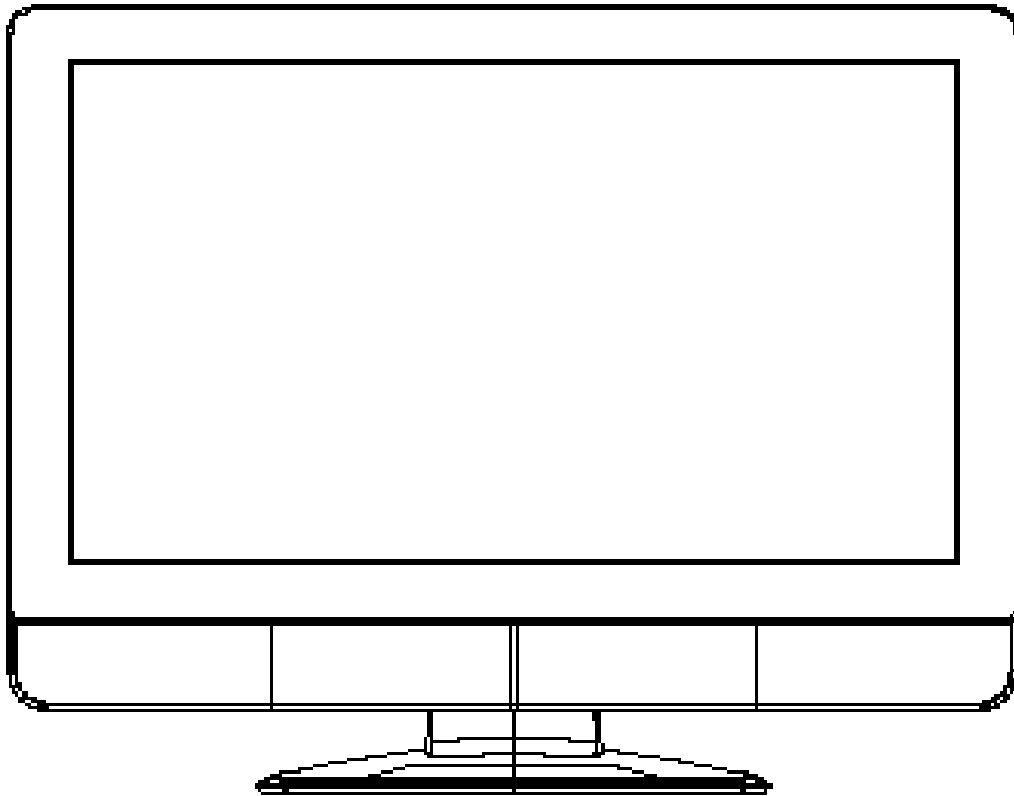


Service Manual



**Model : VIZIO SV472XVT
(LC470WUL-SBM3)(LED)**

V, Inc

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Top Confidential

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1. Main Board Circuit Diagram
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3. Assembly Explosion Drawing

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FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus VINC Will not be held responsible for the product and its safety.

CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

Chapter 1 Features

1. Built in TV channel selector for TV viewing
2. Simultaneous display of PC and TV images
3. Connectable to PC's analog RGB port
4. Built in S-video, HDTV, composite video, HDMI
5. Built in auto adjust function for automatic adjacent of screen display
6. High quality 1920X1080 pixel by pixel display
7. Smoothing function enables display of smooth texts and graphics even if image with resolution lower than 1920X1080 is magnified
8. Advanced video functions for personal favor
9. Picture In Picture (PIP) function to show TV or VCR images
10. Power saving to reduce power consumption less than 1W
11. On Screen Display user can define display mode
(I.e. color, brightness, contrast, sharpness, backlight), sound setting, PIP,
TV channel program, aspect and gamma or reset all setting.

Chapter 2 Specification

1. TFT-LCD CHARACTERISTICS

Model Name: LC470WUL-SBM3

Display Size: 46.96 inches (1192.87mm) diagonal

Outline Dimension: 1096.0mm (W) x 640.0 mm (H) x 64 mm (D)

Pixel Pitch: 0.5415mm x 0.5415mm x RGB

Pixel Format: 1920 horiz. By 1080 vert. Pixels RGB strip arrangement

Display Mode : Transmissive mode, Normally black

Surface Treatment: Hard Coating (3H), Anti-glare treatment of the front polarizer (Haze 10%)

2. TFT-LCD OPTICAL CHARACTERISTICS

Contrast ratio: 1400(Typ) _ LC470WUL-SBM3

Surface Luminance, White: 500 cd/m² (Typ)

Luminance Variation, $\delta=1.3$ (Max)

Response Time =8ms (Max=12ms)

Viewing Angle (CR>10)

Left: 89° (min).

Right: 89° (min).

Top: 89° (min).

Bottom: 89° (min).

3. Input Connectors

1x Co-axial RF (ATSC/QAM/NTSC)

4x HDMI™** with HDCP (1 with Stereo Audio RCA)

1x Component YPbPr plus Stereo Audio

1x RGB PC plus Stereo Audio

1x S-Video plus Stereo Audio (shared with AV1)

1x Composite Video plus Stereo Audio (AV1)

USB X3 FW Update

Ethernet

4. POWER SUPPLY

Input Voltage Level: 100~240Vac, 50/ 60 Hz

Power Consumption: 248W MAX Power OFF: to less than 1W MAX

5. Speaker

Built in Speakers: 2 x 15 W

6. ENVIRONMENT

Operating Temperature: 0c~40c (Ambient)

Operating Humidity: 10%~90%RH(Non-condensing)

Operating Altitude: 0 -14,000 ft

Non-Operating : 0-4000 ft

7. DIMENSIONS (Physical dimension)

Dimensions with stand : 1113.9mm(W) x 753.6mm(H) x 254.9mm(D)

Dimension without stand : 1113.9mm(W) x 714.9mm(H) x 103.3mm(D) inches

8. WEIGHT (Physical weight)

- a. Net 22.9 +/- 1.0 kg (with base)
 25.3 +/- 1.0kg (without base)
- b. Gross 31.8 +/- 1.0 kg

Precaution

Please pay attention to the followings when you use this TFT LCD module

1. OPERATING PRECAUTIONS

- (1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage :
 $V=\pm 200\text{mV}$ (Over and under shoot voltage)
- (2) Response time depends on the temperature.
 (In lower temperature, it becomes longer)

-
- (3) Brightness depends on the temperature.
(In lower temperature, it becomes lower)
And in lower temperature, response time
(Required time that brightness is stable after turned on becomes longer)
 - (4) Be careful for condensation at sudden temperature change.
Condensation makes damage to polarizer or electrical contacted parts.
And after fading condensation, smear or spot will occur.
 - (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.
 - (6) Module has high frequency circuits. System manufacturers shall do sufficient suppression to the electromagnetic interference. Grounding and shielding methods may be important to minimize the interference.
 - (7) Please do not give any mechanical and/or acoustical impact to LCM.
Otherwise, LCM can't be operated its full characteristics perfectly.
 - (8) A screw which is fastened up the steels should be a machine screw.
 - (9) Please do not set LCD on its edge
 - (10) Partial darkness may happen during 3~5minutes when LCM is operated initially in condition that luminance is under 40% at low temperature (under 5°C). This phenomenon which disappears naturally after 3~5 minutes is not a problem about reliability but LCD characteristic.


2. Handling Precaution For Protection

- (1) The protection film is attached to the bezel with a small masking tape.
When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.

(3) You can remove the glue easily. When the glue remains on the bezel surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.

Chapter 3 On Screen Display

1.1. Operation:


- Main unit button
- (1) POWER 
- (2) MENU
- (3) CH +
- (4) CH -
- (5) VOL +
- (6) VOL -
- (7) INPUT

1.2. OSD Adjustment

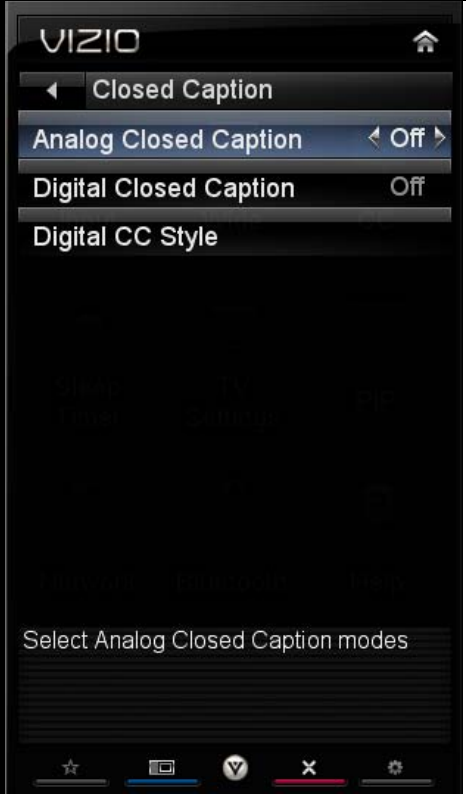
1.2.1. Input Source Selection

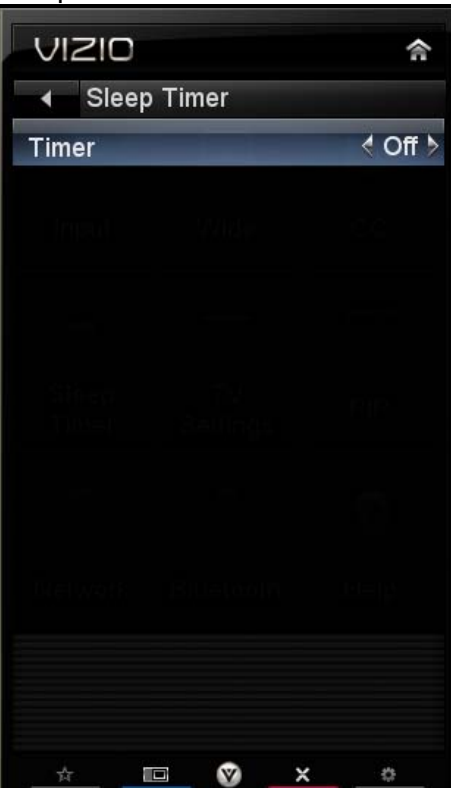

TV AV Comp HDMI [1 -3] HDMI-Side RGB


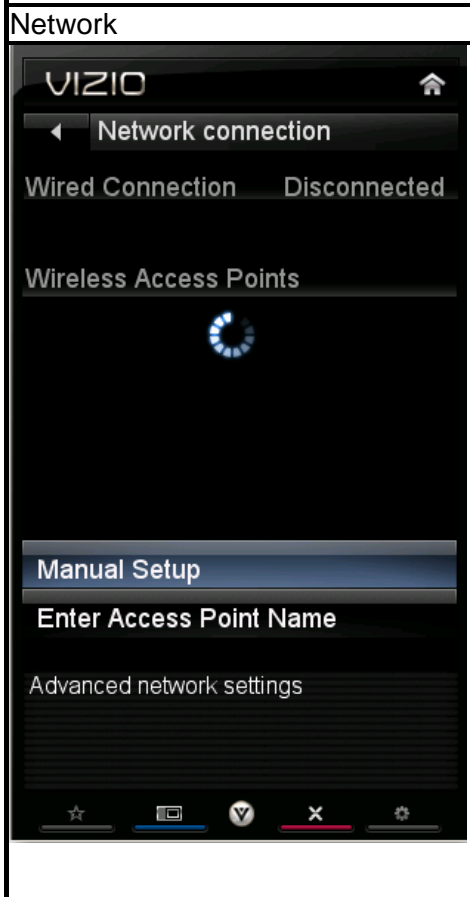
1.2.2. Operator menu

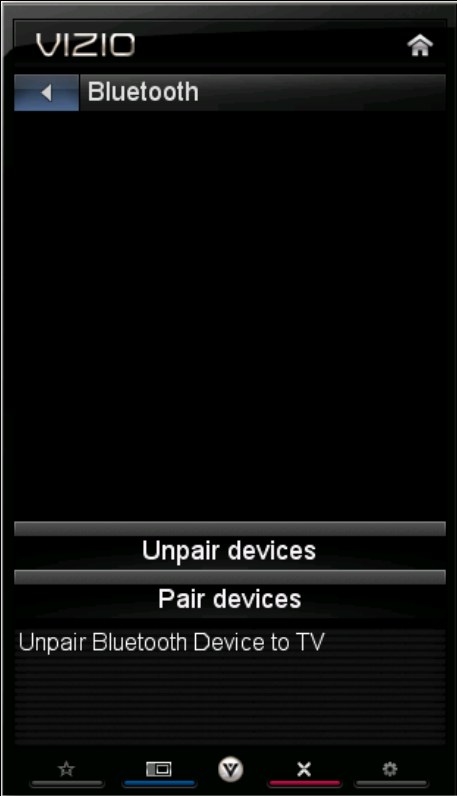
Main MENU	
	Input Wide CC Sleep Timer TV Settings PIP Network Bluetooth Help


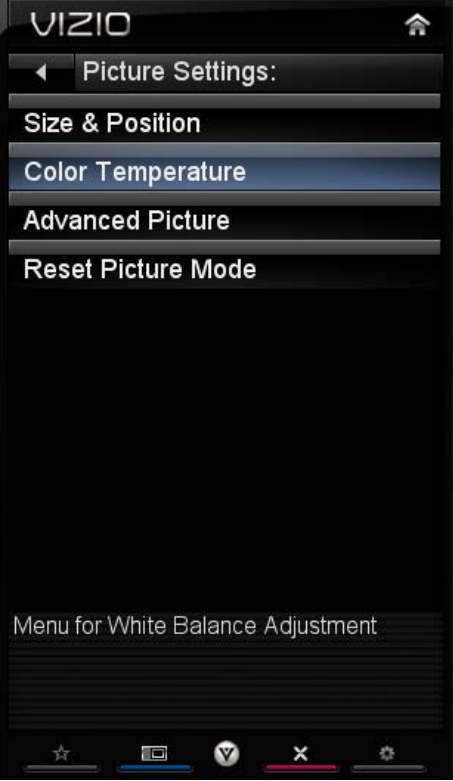
<div> <div> <div>Input Source Selection</div> <div> <div>VIZIO</div> <div> <div>Input Source Selection</div> <div> <div>TV</div> <div>AV</div> <div>Comp</div> <div>HDMI-1</div> <div>HDMI-2</div> <div>HDMI-3 / DVI</div> <div>HDMI Side</div> <div>RGB</div> </div> </div> </div> <div> <div>Watch TV from your Antenna or Cable out-of-the-wall.</div> <div> <div>☆</div> <div>⏏</div> <div>⏏</div> <div>✕</div> <div>⚙</div> </div> </div> </div> </div>		<div> <div>TV</div> <div>AV</div> <div>Comp</div> <div>HDMI-1</div> <div>HDMI-2</div> <div>HDMI-3 / DVI</div> <div>HDMI Side</div> <div>RGB</div> </div>																																																												
<div> <div>Screen Mode</div> <div> <div> <div>Zoom1</div> <div>Zoom2</div> <div>Full</div> <div>Stretch</div> </div> </div> </div>		<table> <tr> <th>Source</th><th colspan="2">AV/COMP/HDMI/ATV</th><th colspan="2">DTV</th><th colspan="2">RGB</th></tr> <tr> <th>Resolution</th><td>480i/p</td><td>720p,1080i/p</td><td>480i/p</td><td>720p,1080i/p</td><td>4:3</td><td>16:9</td></tr> <tr> <th>Zoom1</th><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>N/A</td><td>N/A</td></tr> <tr> <th>Zoom2</th><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>N/A</td><td>N/A</td></tr> <tr> <th>Full</th><td>N/A</td><td>Yes</td><td>N/A</td><td>N/A</td><td>Yes</td><td>Yes</td></tr> <tr> <th>Stretch</th><td>N/A</td><td>Yes</td><td>N/A</td><td>Yes</td><td>N/A</td><td>Yes</td></tr> <tr> <th>Normal</th><td>Yes</td><td>N/A</td><td>Yes</td><td>N/A</td><td>Yes</td><td>N/A</td></tr> <tr> <th>Panoramic</th><td>Yes</td><td>N/A</td><td>Yes</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> </table>					Source	AV/COMP/HDMI/ATV		DTV		RGB		Resolution	480i/p	720p,1080i/p	480i/p	720p,1080i/p	4:3	16:9	Zoom1	Yes	Yes	Yes	Yes	N/A	N/A	Zoom2	Yes	Yes	Yes	Yes	N/A	N/A	Full	N/A	Yes	N/A	N/A	Yes	Yes	Stretch	N/A	Yes	N/A	Yes	N/A	Yes	Normal	Yes	N/A	Yes	N/A	Yes	N/A	Panoramic	Yes	N/A	Yes	N/A	N/A	N/A
Source	AV/COMP/HDMI/ATV		DTV		RGB																																																									
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Zoom1	Yes	Yes	Yes	Yes	N/A	N/A																																																								
Zoom2	Yes	Yes	Yes	Yes	N/A	N/A																																																								
Full	N/A	Yes	N/A	N/A	Yes	Yes																																																								
Stretch	N/A	Yes	N/A	Yes	N/A	Yes																																																								
Normal	Yes	N/A	Yes	N/A	Yes	N/A																																																								
Panoramic	Yes	N/A	Yes	N/A	N/A	N/A																																																								

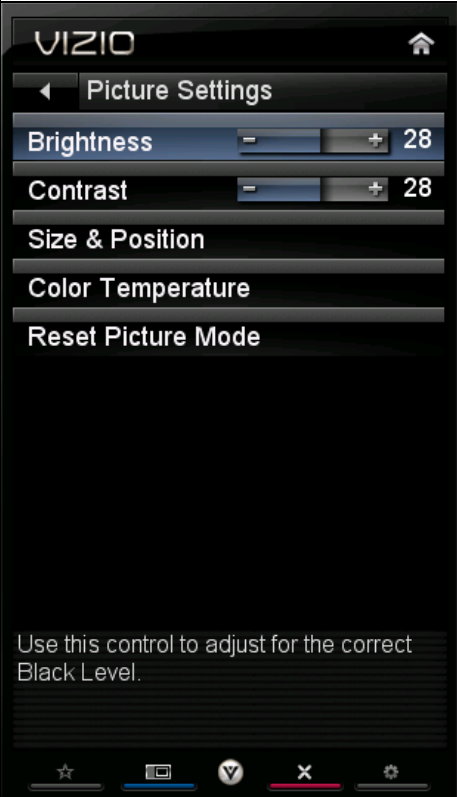
<p>Closed Caption</p> 	<p>Analog Closed Caption <OFF> (Off, CC1, CC2, CC3, CC4)</p> <p>Digital Closed Caption <OFF> (Off, CC1, CC2, CC3, CC4, CS1, CS2, CS3, CS4, CS5 CS6)</p> <p>Digital CC Style:</p> <ul style="list-style-type: none"> 1 Caption Style As Broadcast 2 Caption Style Custom 2.1 Text Size (As Broadcast, Small, Standard, Large) 2.2 Color (As Broadcast, Black, White, Green, Blue, Red, Cyan, Yellow, Magenta) 2.3 Opacity (As Broadcast, Solid, Translucent, Transparent, Flashing) 2.4 BG Color (As Broadcast, Black, White, Green, Blue, Red, Cyan, Yellow, Magenta) 2.5 BG Opacity (As Broadcast, Solid, Translucent, Transparent, Flashing) 2.6 Window Color (As Broadcast, Black, White, Green, Blue, Red, Cyan, Yellow, Magenta) 2.7 Window Opacity (As Broadcast, Solid, Translucent, Transparent, Flashing)
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<p>Sleep Timer</p>  <p>The screenshot shows the Vizio Sleep Timer menu. At the top is the VIZIO logo and a home icon. Below it is a 'Sleep Timer' header with a back arrow. The 'Timer' option is selected, showing '< Off >'. The background is dark with some faint text and icons at the bottom.</p>	<p>Timer <Off></p> <p>(Off, 30 minutes, 60 minutes, 90 minutes, 120 minutes, 180 minutes)</p>
<p>PIP Controls</p>  <p>The screenshot shows the Vizio PIP Controls menu. At the top is the VIZIO logo and a home icon. Below it is a 'PIP Controls' header with a back arrow. The 'PIP Mode' option is selected, showing '< Off >'. Below it are other options: 'Source' (HDMI-1), 'Position' (Top Right), 'Size' (Medium), and 'Audio' (Main). The background is dark with some faint text and icons at the bottom.</p>	<p>PIP Mode <Off> (Off, PIP POP)</p> <p>Source <HDMI1-3> or <TV, AV, Comp ,VGA></p> <p>Input Source Selection</p> <p>1 (HDMI-1, HDMI-2, HDMI-3/DVI, HDMI-Side)</p> <p>2 (TV, AV, Comp, RGB)</p> <p>Position <Top Right></p> <p>PIP Position</p> <p>(Top Left, Top Right, Bottom Left, Bottom Right)</p> <p>Size <Medium> (Small, Medium, Large)</p> <p>Audio <Main> (Main, PIP)</p>

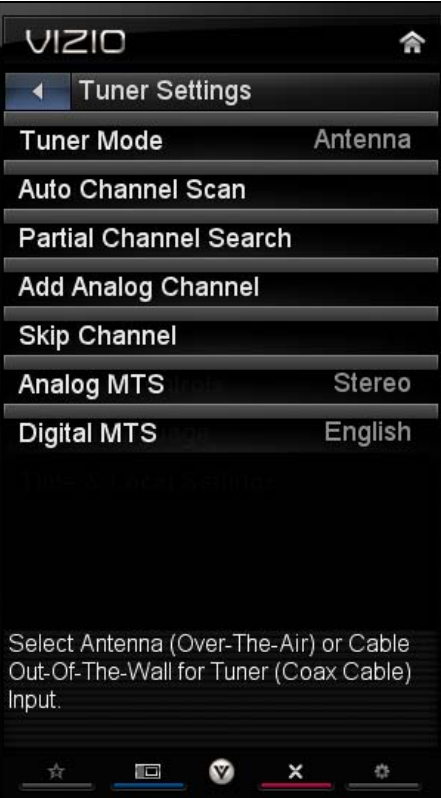
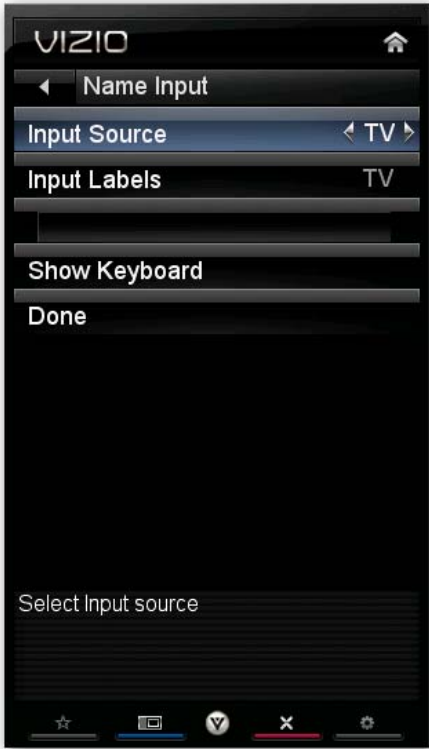
 <p>The screenshot shows the VIZIO TV Settings menu. At the top is the VIZIO logo and a home icon. Below is a list of settings: TV Settings (selected), Input Source, Picture, Audio, Tuner, Name Input, Device Setup, Parental Controls, Menu Language, and Time & Local Settings. At the bottom, there is a 'Select Input source' section with a list of options and a navigation bar with icons for star, input, volume, power, and settings.</p>	<p>Input Source: (TV, AV, Comp, HDMI1-3, HDMI Side, RGB)</p> <p>Picture</p> <p>Audio</p> <p>Tuner</p> <p>Name Input</p> <p>Device Setup</p> <p>Parental Controls</p> <p>Menu Language</p> <p>Time & Local Settings</p>
 <p>The screenshot shows the VIZIO Network connection menu. At the top is the VIZIO logo and a home icon. Below is a list of settings: Network connection (selected), Wired Connection, Wireless Access Points, Manual Setup, Enter Access Point Name, and Advanced network settings. The 'Wired Connection' status is shown as 'Disconnected'. The 'Wireless Access Points' section has a loading spinner. The 'Manual Setup' section is highlighted. At the bottom, there is a navigation bar with icons for star, input, volume, power, and settings.</p>	<p>Network connection</p> <p>Wired Connection Connected</p> <p>Manual Setup</p> <p>DHCP ON OFF</p> <p>IP address: 192.168.X.X</p> <p>Subnet Mask: 255.255.255.0</p> <p>Default Gateway:192.168.X.X</p> <p>Pref. DNS server:192.168.X.X</p> <p>Alt. DNS server: X.X.X.X</p> <p>RJ45 MAC add. XX:XX:XX:XX:XX:XX</p> <p>Wireless MAC Add: XX:XX:XX:XX:XX:XX</p> <p>Test Connection</p> <p>Wired Connection Disconnected</p> <p>Wireless Access Points</p> <p>More Access Points</p> <p>Manual Setup</p>

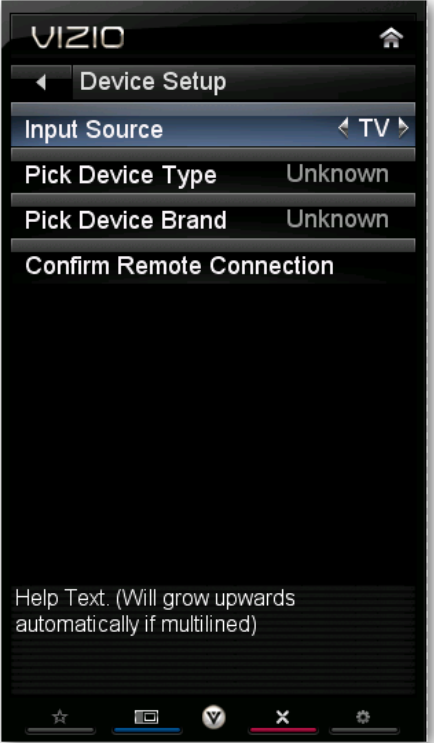
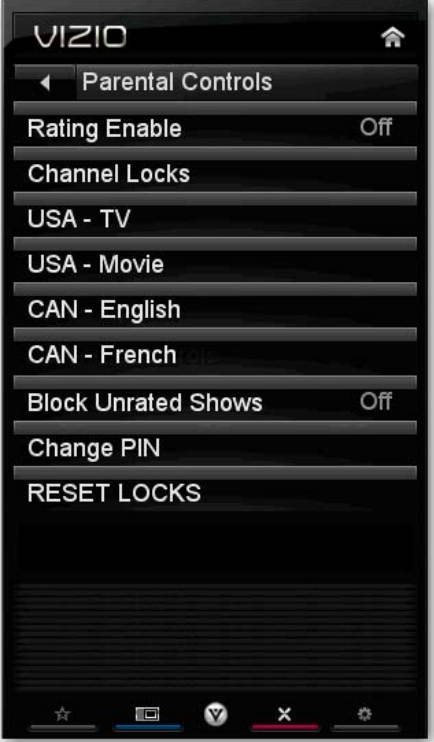
	<p>DHCP ON OFF</p> <p>IP address: 192.168.X.X</p> <p>Subnet Mask: 255.255.255.0</p> <p>Default Gateway:192.168.X.X</p> <p>Pref. DNS server:192.168.X.X</p> <p>Alt. DNS server: X.X.X.X</p> <p>RJ45 MAC add. XX:XX:XX:XX:XX:XX</p> <p>Wireless MAC Add: XX:XX:XX:XX:XX:XX</p> <p>Test Connection</p> <p>Enter Access Point Name</p>
BlueTooth	
	<p>UnPair devices</p> <p>Pair devices</p> <p>Start Searching for devices</p> <p>Stop searching</p>

TV AV Comp HDMI mode	Picture mode
 <p>Help Text. (Will grow upwards automatically if multilined)</p>	<p>1 Picture mode (Standard Movie Game Vivid Football Golf Basketball Baseball Custom)</p> <p>Backlight 0-100</p> <p>Brightness 0-100</p> <p>Contrast 0-100</p> <p>Color 0-100</p> <p>Tint -32-+32</p> <p>Sharpness 0-16</p>
 <p>Menu for White Balance Adjustment</p>	<p>2 More</p> <p>2.1 Size & Position</p> <p>Horiz.Position: 0-64</p> <p>Vertical.Position: 0-32</p> <p>Horizontal Size: 0-100</p> <p>Vertical.Size:0-100</p> <p>2.2 Color Temperature</p> <p>Custom, Cool, Computer, Normal</p> <p>Red Gain 0-255</p> <p>Green Gain 0-255</p> <p>Blue Gain 0-255</p> <p>Red offset 0-255</p> <p>Green offset 0-255</p> <p>Blue offset 0-255</p> <p>Reset Color Temperature</p> <p>2.3 Advanced Picture Settings</p> <p>Smooth Motion Effect (off, Low, Middle, High)</p> <p>Real Cinema Mode (off, Smooth, Precision)</p> <p>Noise Reduction (off, Low, Medium, High)</p> <p>Color Enhancement (Off, Normal, Rich Color, Green/Flesh, Green/Blue)</p> <p>Advanced Adaptive Luma (Off, Low, Medium, Strong, Extend)</p> <p>Film Mode (off, Auto)</p> <p>Smart Dimming(On, Off)</p>


	2.4 Reset Picture mode
RGB Mode	Picture Settings
 <p>The screenshot shows the Vizio Picture Settings menu. At the top is the VIZIO logo and a home icon. Below is a 'Picture Settings' header with a back arrow. The menu items are: Brightness (set to 28), Contrast (set to 28), Size & Position, Color Temperature, and Reset Picture Mode. A note at the bottom says 'Use this control to adjust for the correct Black Level.' The bottom of the screen shows a navigation bar with icons for star, input, V, X, and settings.</p>	<ol style="list-style-type: none"> 1 Brightness 0-100 2 Contrast 0-100 3 Size & Position <ul style="list-style-type: none"> Auto Adjust Horiz. Position: 0-100 Vertical. Position: 0-100 Horizontal Size: 0-100 Fine Tune 4 Color Temperature <ul style="list-style-type: none"> Custom 9300k 6500k Red Gain: 0-255 Green Gain: 0-255 Blue Gain: 0-255 Red offset: 0-255 Green offset: 0-255 Blue offset: 0-255 Reset Color Temperature 5 Reset Picture mode



Audio	Audio Setting
 <p>The screenshot shows the Vizio Audio Settings menu. At the top is the VIZIO logo and a home icon. Below it is a back arrow and 'Audio Settings'. The 'Audio Mode' is set to 'Flat'. Other options include 'Balance' (0), 'Lip Sync' (0), 'TV Speakers' (Off), 'Advanced Audio', 'Equalizer Settings', and 'Reset Audio Mode'. At the bottom, there is a prompt 'Select Audio Mode; Flat, Rock, Pop etc...' and a navigation bar with icons for star, screen, volume, close, and settings.</p>	<p>1 Audio Mode (Jazz, Classic, Pop, Rock, Flat)</p> <p>2 Balance (-50 ~ +50)</p> <p>3 Lip Sync (0 ~ 3)</p> <p>4 TV Speakers (On, Off)</p> <p>5 Advanced Audio SRS TruSurround HD (Off, On) SRS TruVolume (Off, On) Digital Audio Out(Dolby Digital, PCM, Off) Analog Audio Out(Fixed, Variable) Audio Control (TV External)</p> <p>6 Equalizer EQ Mode Basic Bass 0 ~ 24 Treble 0 ~ 24 EQ Mode Advanced 100Hz -12 ~ +12 300Hz -12 ~ +12 1kHz -12 ~ +12 3kHz -12 ~ +12 10KHz -12 ~ +12</p> <p>7 Reset Audio mode</p>

<p>Tuner</p> 	<p>Tuner Settings</p> <ol style="list-style-type: none"> 1 Tuner Mode (Antenna, Cable) 2 Auto Channel Scan 3 Partial Channel Search <ol style="list-style-type: none"> 3.1 Scan mode (Analog, Digital) 3.2 From Channel 3.3 To Channel 3.4 Start 4 Add Analog Channel (Parental Controls) <ol style="list-style-type: none"> 4.1 Enter Channel 4.2 Add Channel 5 Skip Channel 6 Analog MTS (Mono, Stereo, SAP) 7 Digital MTS (English, French, Spanish)
<p>Name Input</p> 	<p>Name Input</p> <p>Input Source TV, AV, Comp, HDMI1-3 HDMI-Side RGB</p> <p>Input Labels Antenna, BluRay, Cable, DTV, DVD, Game, Hi Def, PC, Sat, STB</p> <p>Show Keyboard</p> <p>Done</p>

<p>Device Setup</p> 	<p>1 Pick Device Type (VCR,DVD,Sat, PVR,PCVR,HID Devices)</p> <p>2 Pick Device Brand</p> <p>3 Confirm Remote Connection</p> <p>It Worked</p> <p>Try the Next Code</p>
<p>Parental controls</p> 	<p>Enables Rating (Off, On)</p> <p>Channel lock</p> <p>US TV Ratings</p> <p>TV-Y (All)</p> <p>TV-Y7 (All, FV)</p> <p>TV-G (All)</p> <p>TV-PG (All, D, L, S, V)</p> <p>TV-14 (All, D, L, S, V)</p> <p>TV-MA (All, L, S, V)</p> <p>US Movie Ratings</p> <p>G</p> <p>PG</p> <p>PG-13</p> <p>R</p> <p>NC-17</p> <p>X</p> <p>DTV Ratings</p> <p>U.S. (50 States + Possessions)</p> <p>EntireAudience None</p>

	TV-G
	TV-PG
	TV-14
	TV-MA
Dialogue	D
Language	L
Sex	S
Violence	V
Children	TV
Children	Y
	TV
	Y7
Fantasy	
Violence	FV
MPAA	N/A
	G
	PG
	PG
	13
	R
	NC
	17
	X
	NR
Canadian English Ratings	
	C
	C8+
	G
	PG
	14+
	18+
Canadian French Ratings	
	G
	8 ans+
	13 ans+
	16 ans+
	18 ans+

	Block Unrated Shows (off, on) Change PIN New PIN Confirm PIN RESET LOCKS
Menu language	
	English French Spanish

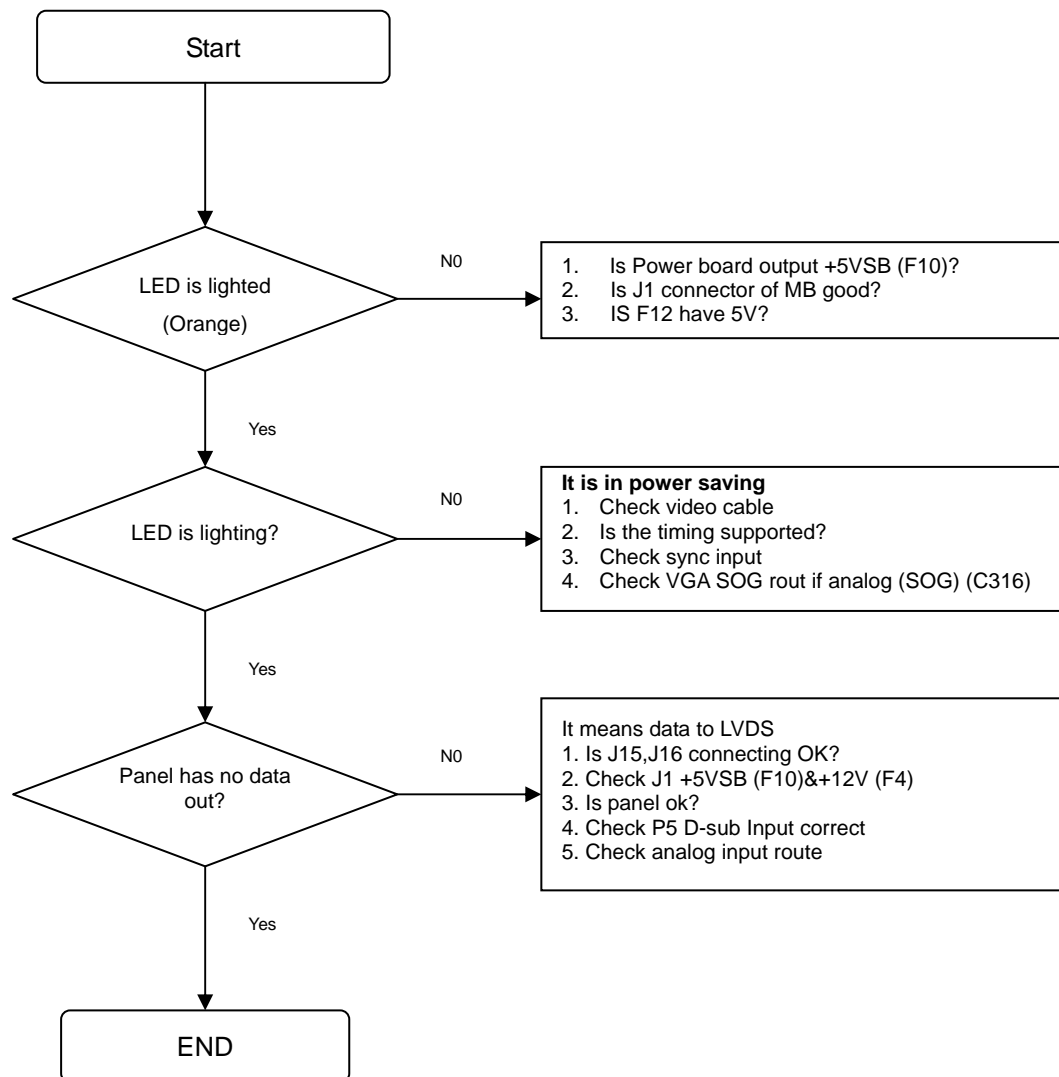
Time & Local Settings	
 <p>The screenshot shows the VIZIO Time & Local Settings menu. At the top is the VIZIO logo and a home icon. Below it is a back arrow and the text 'Time Not Available'. The 'Time Zone' option is highlighted in blue, with a sub-menu showing 'Alaska (US)' and a right arrow. Below 'Time Zone' is 'Daylight Savings' with a toggle switch set to 'On'. At the bottom is 'Postal Code' with an input field. At the very bottom, there is a section titled 'Set your time zone' with a list of time zones. The bottom navigation bar contains icons for Home, Input, VIZIO, Exit, and Settings.</p>	<p>1 Time Zone</p> <ul style="list-style-type: none"> Alaska(US) Hawaii(US) Pacific(US,CAN) Mountain(US,CAN) Central(US,CAN) Eastern(US,CAN) Atlantic(CAN) Newfoundland(CAN) Indiana(US) Arizona (US) <p>2 Daylight Saving (On, Off)</p> <p>3 Postal Code</p>
Help	
 <p>The screenshot shows the VIZIO Help menu. At the top is the VIZIO logo and a home icon. Below it is a back arrow and the text 'Help'. The 'System Info' option is highlighted in blue. Below it are 'Reset TV Settings' and 'Clear Memory(Factory Default)'. At the bottom, there is a section titled 'Display System information' with a list of system information. The bottom navigation bar contains icons for Home, Input, VIZIO, Exit, and Settings.</p>	<p>System info</p> <p>Reset TV Settings</p> <p>Clear Memory(Factory Default)</p>

1.3. Widget Dock (TBD)

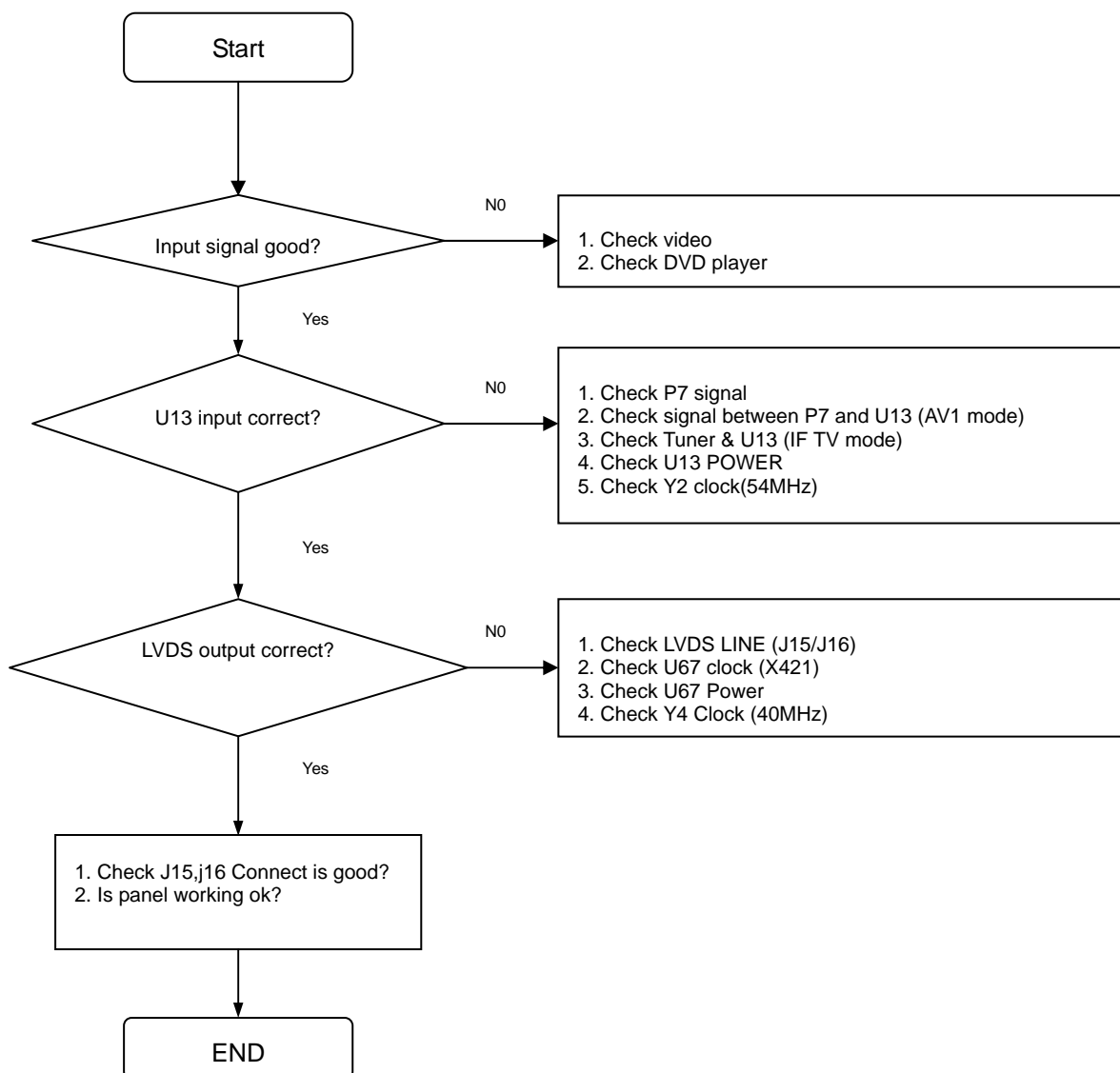
Yahoo Widget	
	Profile News Finance Weather tbd Gallery tbd
Widget 3th party	
	Flicker tbd Amazon Video tbd FunSpot tbd NetFlix tbd Rhapsody tbd

Chapter 9 Trouble shooting

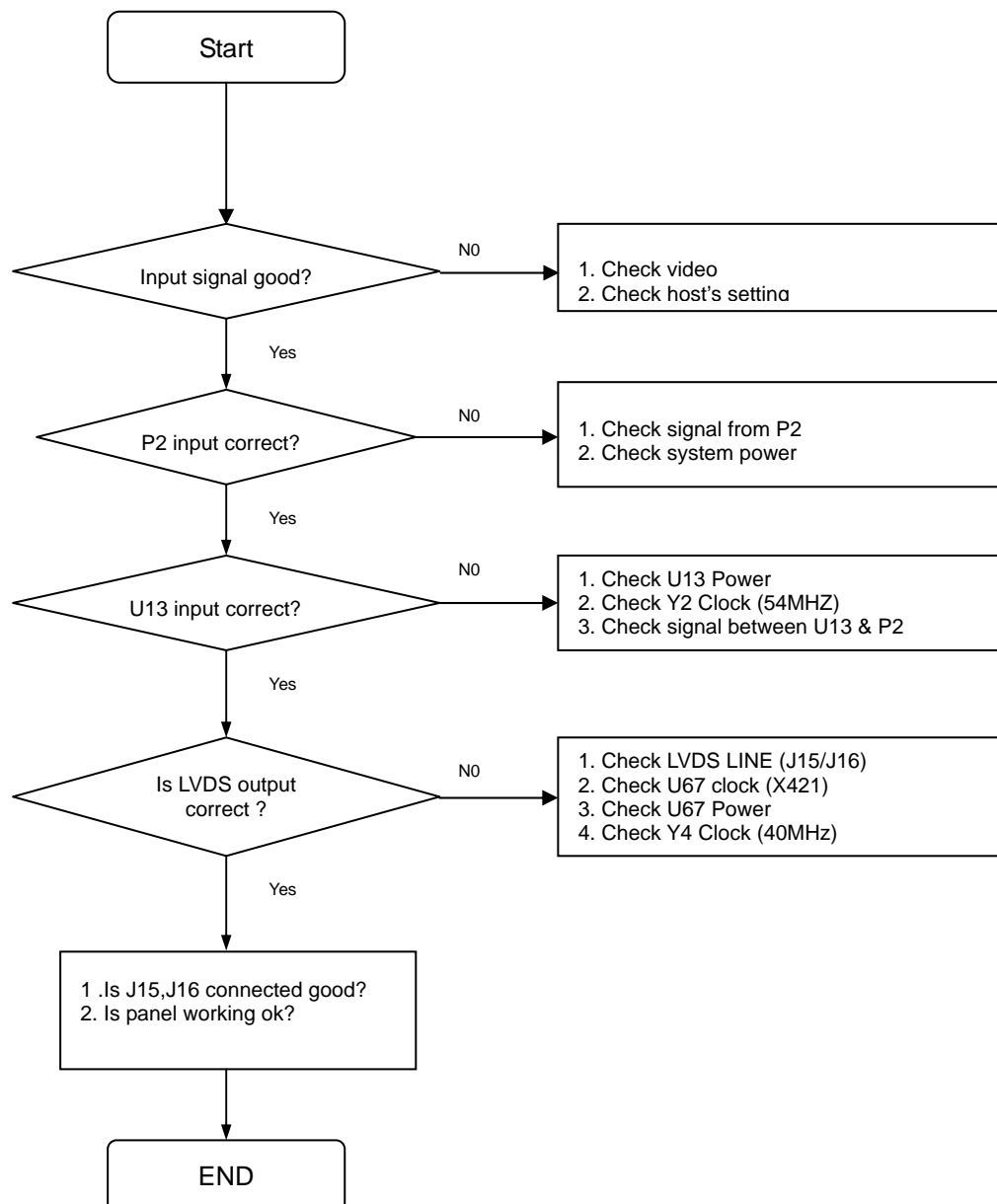
MONITOR DISPLAY NOTHING (PC MODE)



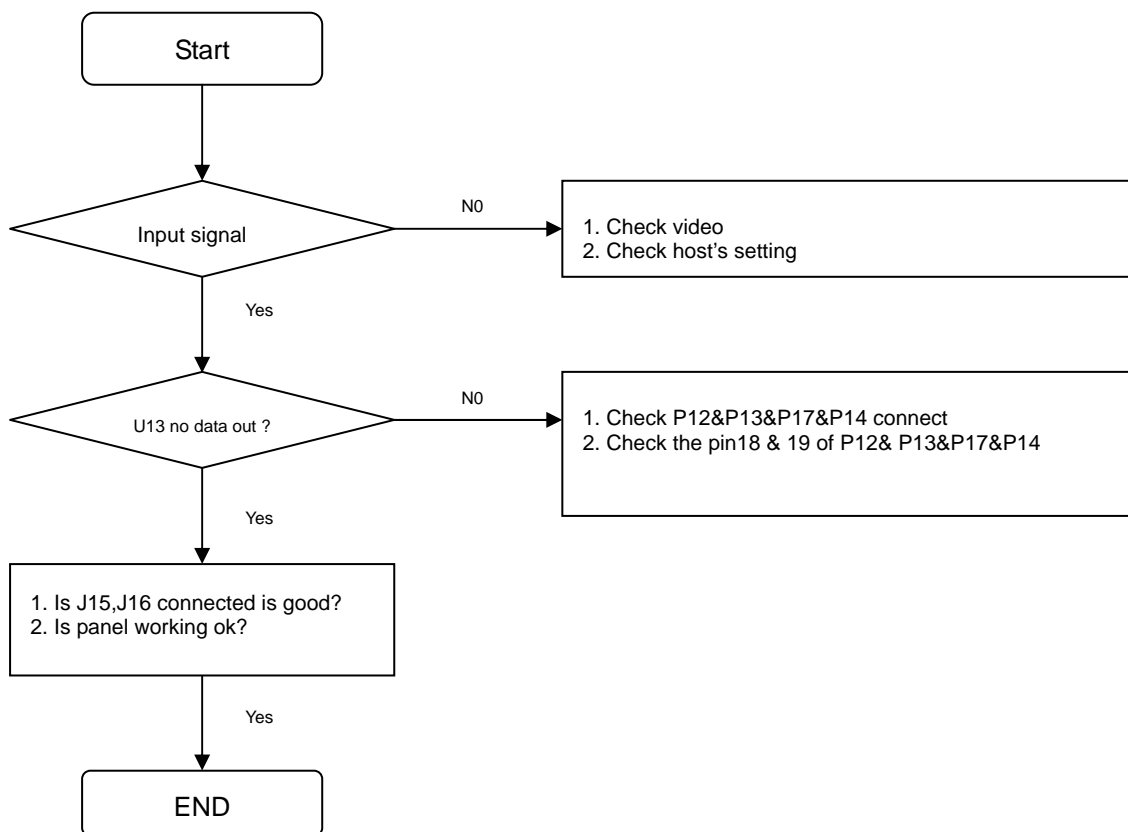
(TV, AV VIDEO1, S-VIDEO) IS NOT DISPLAY CORRECTLY



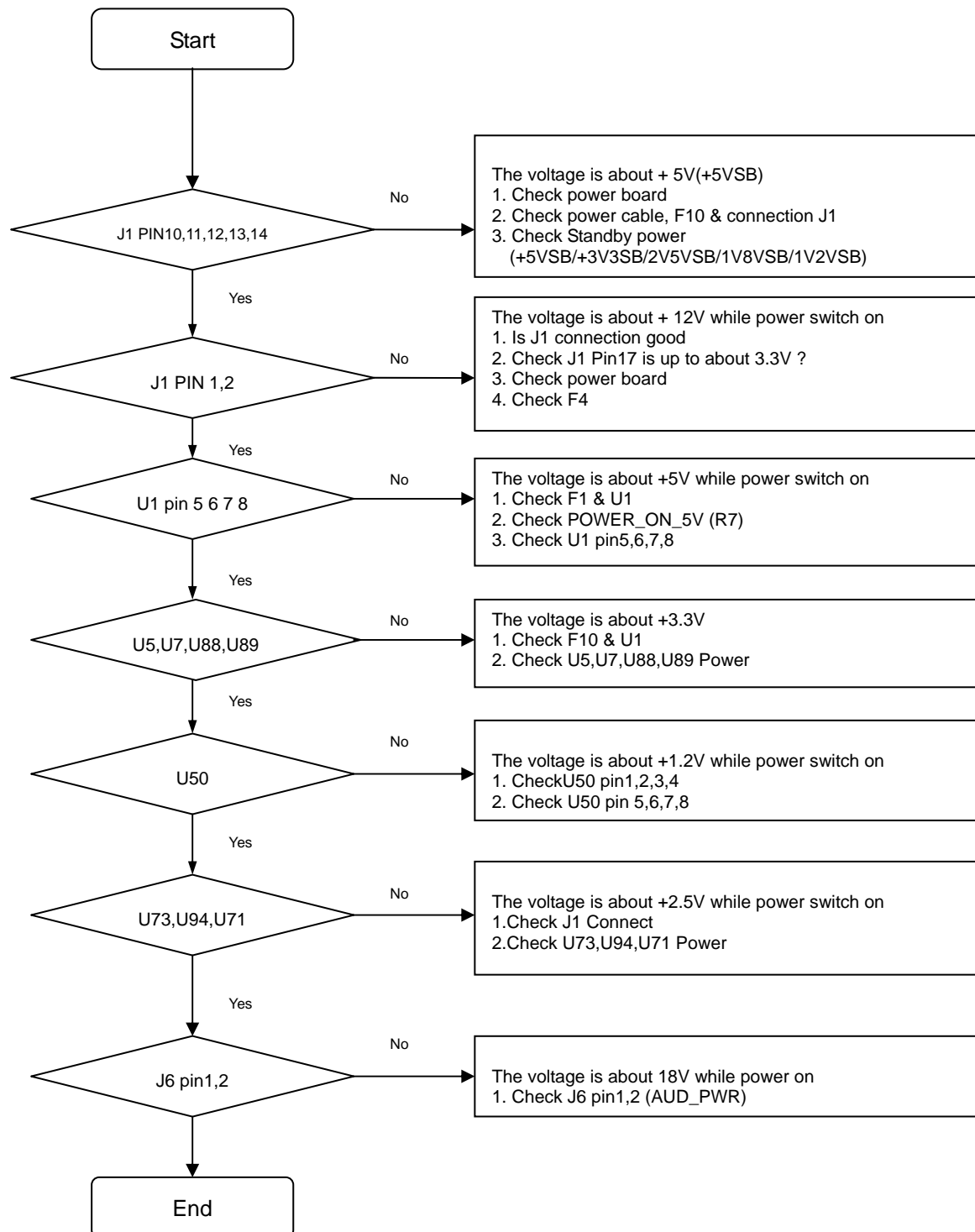
(COMPONENT) IS NOT DISPLAY CORRECTLY



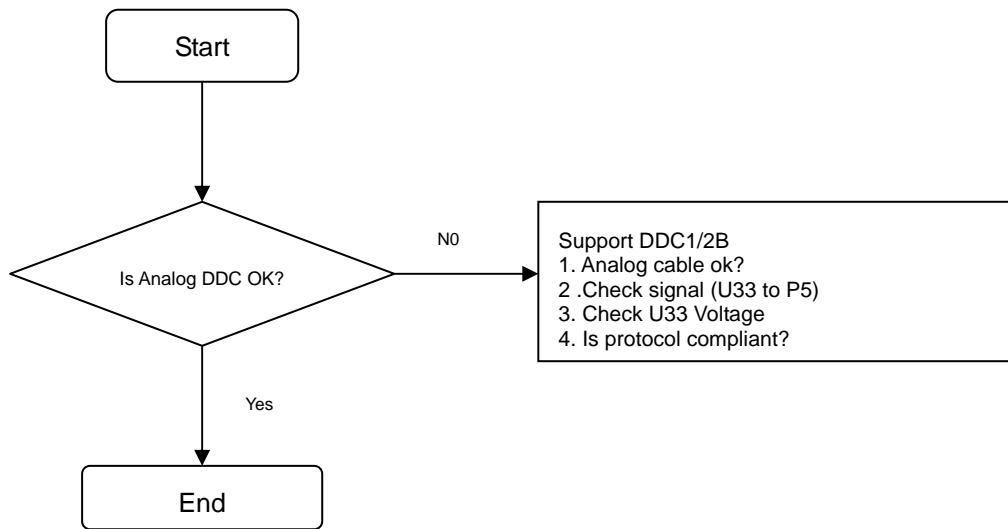
(HDMI1,2,3,side HDMI)IS NOT DISPLAY CORRECTLY



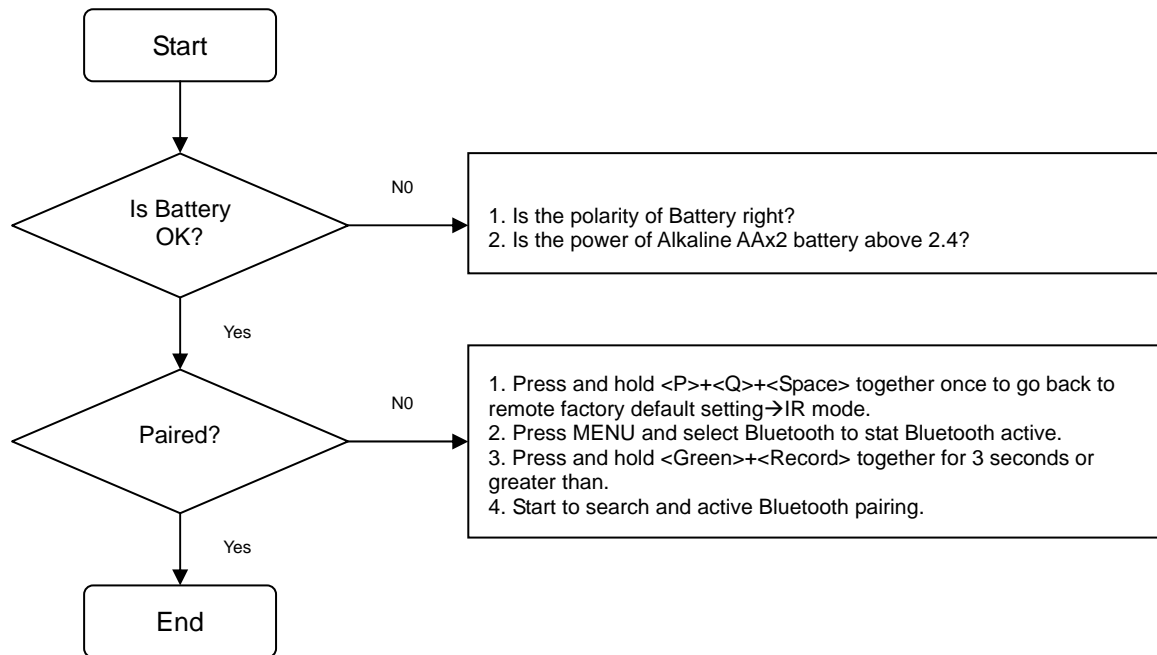
TROUBLE OF DC-DC CONVERTER



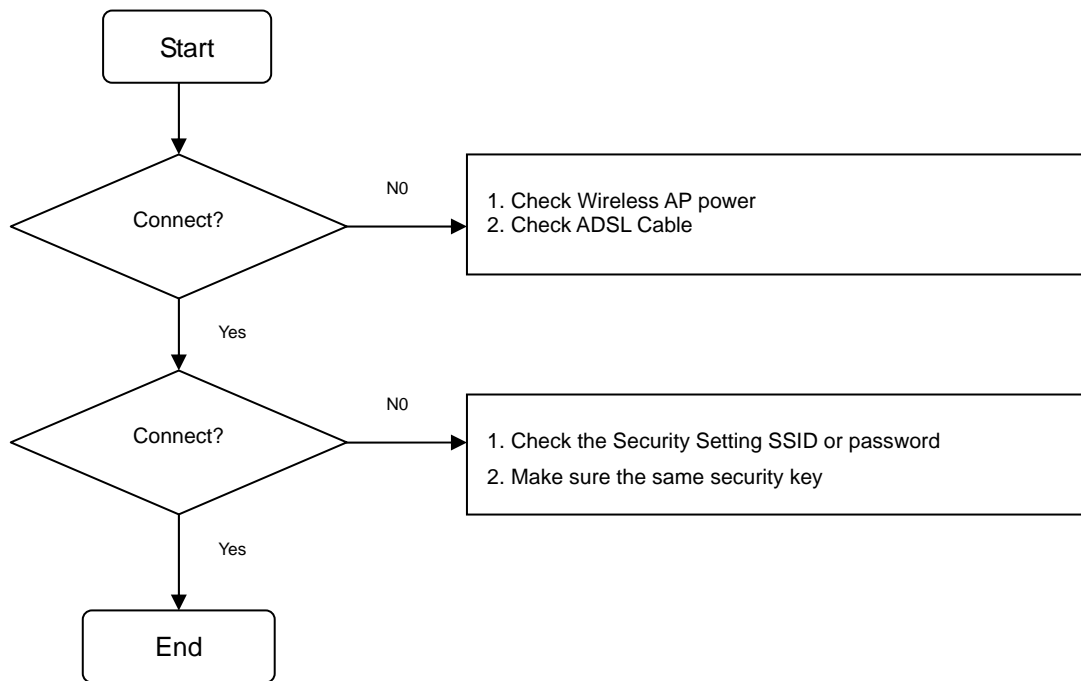
TROUBLE OF EDID READING



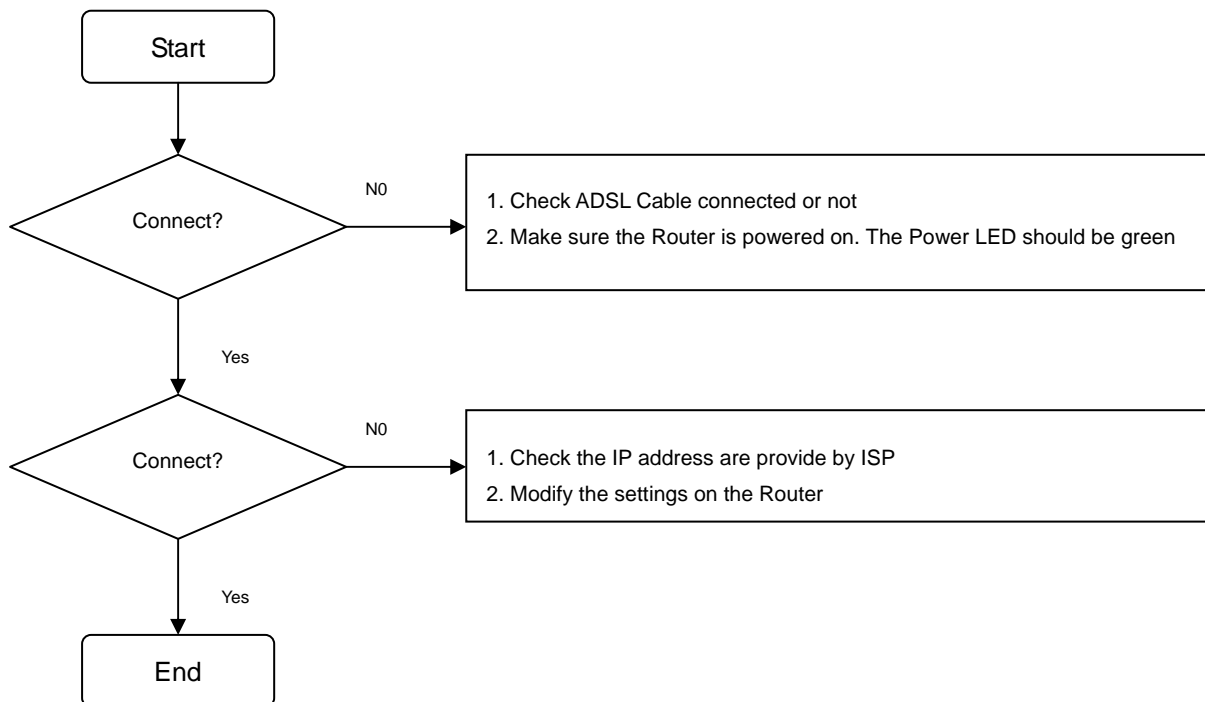
VUR10 IS NOT ACTIVE : BLUETOOTH MODE



WI-FI WIRELESS CAN'T CONNECT TO INTERBET



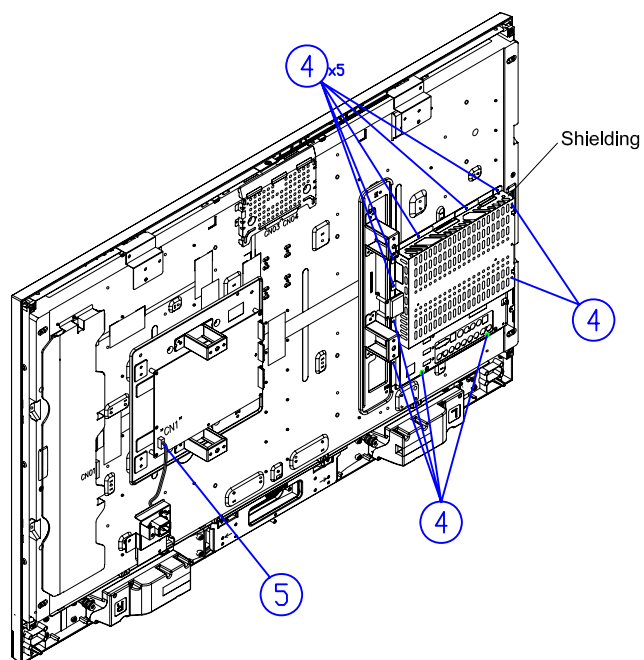
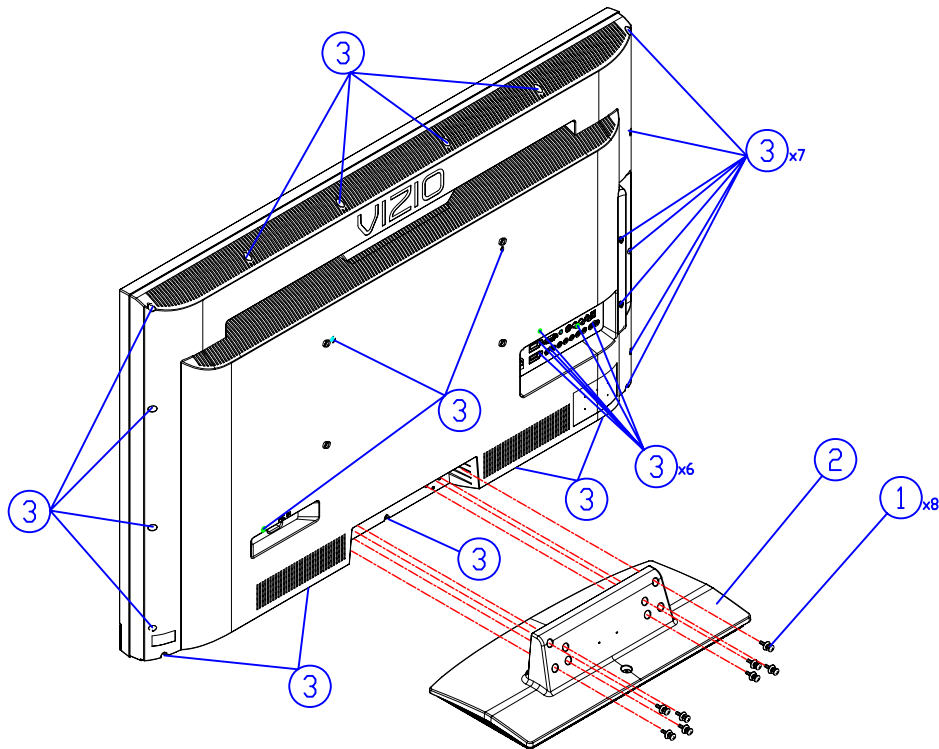
ETHERNET CAN'T CONNECT TO INTERNET



1. REAR COVER ASS'Y / CONNECTOR BD ASS'Y REMOVAL

Note: Spread a mat underneath to avoid damaging the TV surface.

- 1) Remove eight screws ① from Base Ass'y ②.
- 2) Separate the Base Ass'y ②.
- 3) Remove thirty-six screws ③ from rear cover.
- 4) Separate the rear cover.
- 5) Remove eleven screws ④.
- 6) Separate the shielding.
- 7) Remove connector ⑤ (CN1) of the AC Inlet cable.

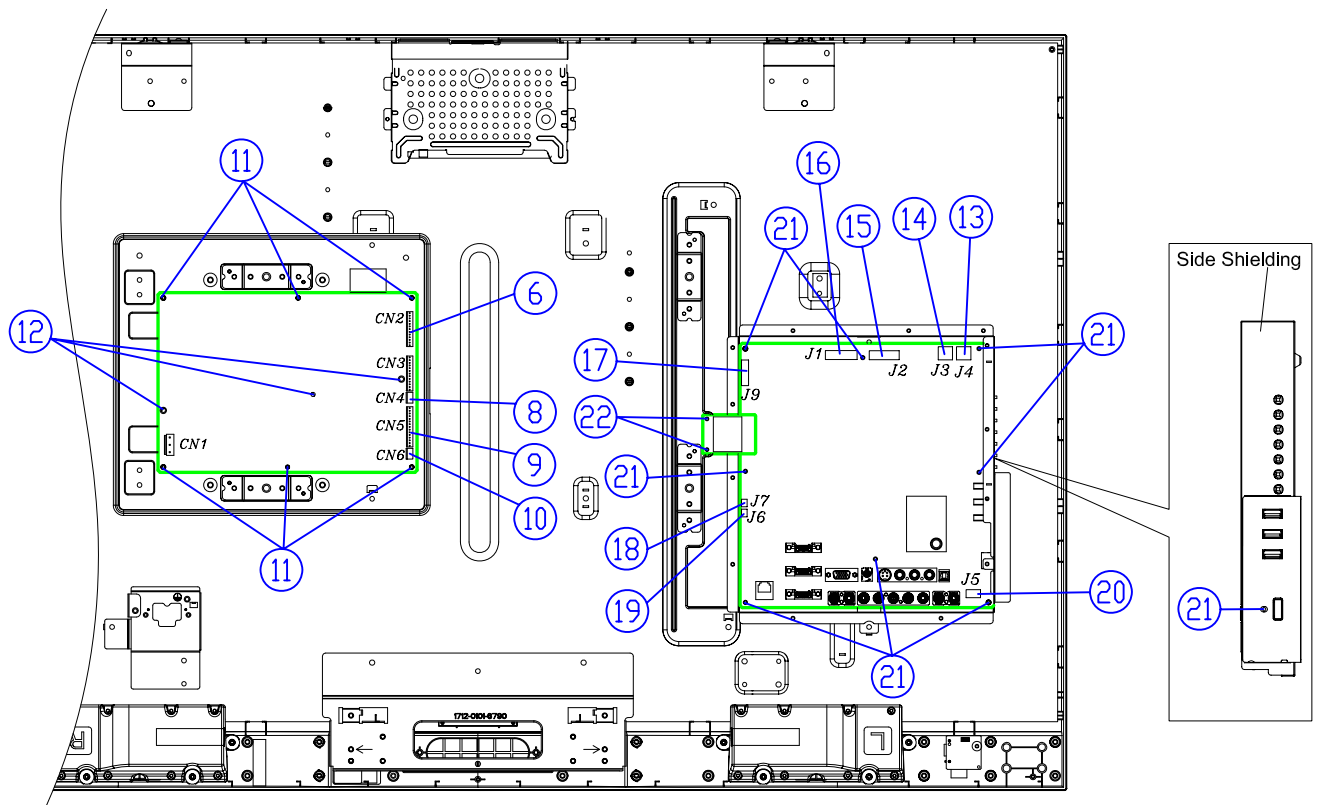


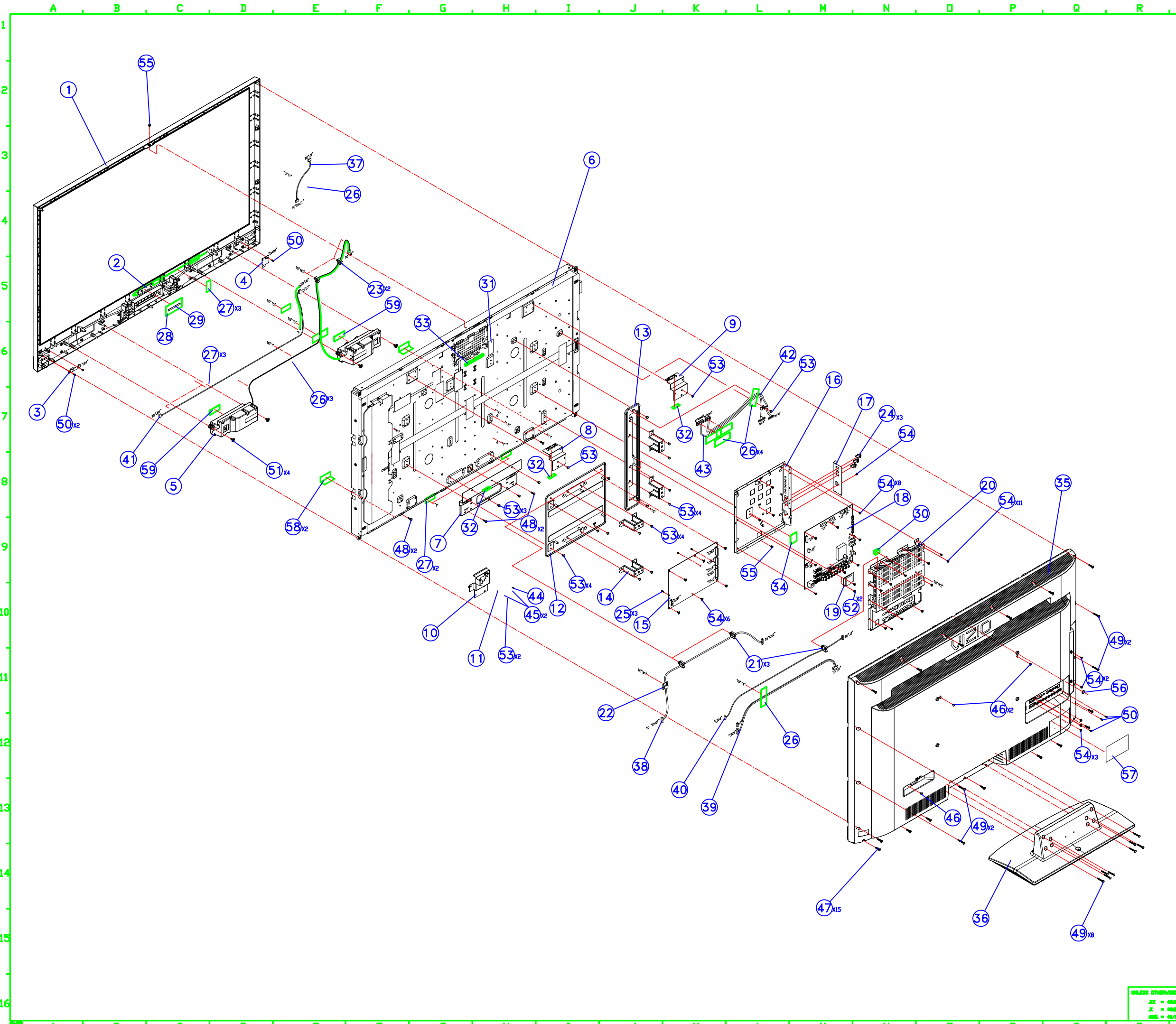
2. P_I BD ASS'Y REMOVAL

- 1) Remove the connector ⑥ (CN2) of the inverter cable.
- 2) Remove the connector ⑩ (CN6) ⑨ (CN5) of the Main cable1.
- 3) Remove the connector ⑧ (CN4) of the Main cable 2.
- 4) Remove six screws ⑪ and three Spacer support ⑫.
- 5) Separate the Power BD ASS'Y .

3. MAIN BD ASS'Y REMOVAL

- 1) Remove the connector ⑬ (J4) of the speaker cable.
- 2) Remove the connector ⑭ (J3) of the Main cable 1.
- 3) Remove the connector ⑰ (J9) of the Main cable 2.
- 3) Remove the connector ⑯ (J1) ⑮ (J2) of the LVDS cable.
- 4) Remove the connector ⑱ (J7) of the IR cable.
- 5) Remove the connector ⑲ (J6) of the LED Backlight cable.
- 6) Remove the connector ⑳ (J5) of the Daughter BD .
- 7) Remove nine screws ㉑ and two screws ㉒ .
- 8) Separate the MAIN BD Ass'y and wifi BD.





ITEM	DESCRIPTION	QTY
1	FRONT BEZEL(CLING)(ABS 94-HB/T52013)(SV472XVT) ASS'Y	1
2	LED BACKLIGHT 16.72*56*1.5mm(LP1063-S637)580nm LF	1
3	IR BD ASS'Y (SV42)	1
4	Daughter BD ASS'Y (SV472XVT)	1
5	SPK BOX 15W 8ohm W/CORE (160*73*79) LF	1
6	LED MODULE 47.0" LC470WUL-SBM3 (LGD_Korea)	1
7	BASE SUPPORT (SECC 1.2t)(SV472XVT_LED)	1
8	PANEL BKT TL (SECC 0.8t)(SV472XVT_LED)	1
9	PANEL BKT TR (SECC 0.8t)(SV472XVT_LED)	1
10	AC INLET BKT (SECC 1.0t)(SV472XVT_LED)	1
11	AC INLET ST-01EK-BCC-03+VHR5P 300/180mm rev1	1
12	POWER BD BKT (SECC 0.8t)(SV472XVT_LED)	1
13	MAIN_BKT_R (SECC,T=1.0mm)(SV472XVT)	1
14	WALL MOUNT BKT (SECC 1.0t)(V0470E)	4
15	POWER BD ASS'Y DPS-286BP A LF	1
16	CHASSIS (SECC,T=0.6mm)(SV472XVT)	1
17	SIDE JACK PLATE (PC 8B35, 0.254t) SV472XVT(LED)	1
18	MAIN BD ASS'Y SV472XVT(DDR2 128M*8)(HDCP)	1
19	WIFI WU260-AM 11N + ANT CBL 680B_950G mm LF	1
20	SHIELDING (SPTe,T=0.3mm)(SV472XVT)	1
21	WIRE SADDLE (CH-10A) SV472XVT	3
22	WIRE SHADOW	1
23	WIRE SADDLE (CH-01B)	2
24	USB CONNECTOR COVER(USBC-2)	3
25	SPACER SUPPORT(MCH-10)	3
26	ACETATE CLOTH TAPE 27*75mm	-
27	ACETATE CLOTH TAPE 20*45mm	-
28	ACETATE CLOTH TAPE 40*80mm	1
29	MYLAR (60.0L*6.0W*0.8t)(VW42L)	1
30	GASKET BLOCK (20.0*13.0*10.0)	1
31	SHIELDING AL. TAPE (60*25mm)	1
32	Gasket Block (30L*10W*2.0H)(VP422)	3
33	RUBBER(90*6*5.4t)(SV47)	1
34	RUBBER(SILICON/38*30*1.5t)(NATURAL)	1
35	REAR COVER (ABS FR/ T52013)(SV472XVT_LED) ASS'Y	1
36	BASE (ABS 94HB,T52013)(SV47) ASS'Y	1
37	WH P240112/P240112 2725#28(IP+9C) 230mm+CLAMP	1
38	WH A2001-14/A2543-13 1007#26 560mm	1
39	WH A2004-2#10/A2543-15+3P 1007#24 360mm	1
40	WH A2501-5/A2543-4 1007#26 560mm	1
41	WH A1251-4/A1251-4 1571#28 1000mm	1
42	WH PKS24020P41/PD240315 650mm+CLAMP(Au 4u'') rev1	1
43	WH PKS24020P51/PD240320 670mm+CLAMP(Au 4u'') rev1	1
44	MAC SCREW-MBGW M4.0*6.0L, NI	1
45	MAC SCREW-MF M3.0*8.0L,BLK-NI	2
46	MAC SCREW-MF M4.0*8.0L,BLK-NI	3
47	TAP SCREW-TB #3.0*15.0L,BLK-NI	15
48	TAP SCREW-TP #4.0*12.0L, BLK-NI	4
49	TAP SCREW-TB #4.0*30.0L, BLK-NI	12
50	TAP SCREW-TP #3.0*10.0L, BLK-NI	6
51	TAP SCREW-TRF #3.0*12.0L,NI	4
52	MAC SCREW-MB M3.0*4.0L NYLOK	2
53	MAC SCREW-MB M4.0*5.0L,BLK_NI,NYLOK	22
54	MAC SCREW-MRF M3.0*6.0L W=8.5,BLK_NI,NYLOK	31
55	MAC SCREW-MI M4.0*5.0L ,NI,NYLOK	5
56	NUT 3/8 "-32(W17.0*2.0t,NIXFOR TUNER)	1
57	BACK LBL(PET#50) SV472XVT(LED)	1
58	CR Sponge 50*42mm*0.5t (VX20L HDTV)	2
59	CR Sponge 50*20 T=1.2mm(GV42L FHDTV10A)	2

UNLESS OTHERWISE NOTED

BY: JESSIE YU

DATE: 09/21/09

REVISION

1

DATE: 09/21/09

APPROVED

DATE: 09/21/09

DESIGN

DATE: 09/21/09

TEST

DATE: 09/21/09

QC

DATE: 09/21/09

PACKAGING

DATE: 09/21/09

SHIP

DATE: 09/21/09

VIZIO SV472XVT_LCD(LED)

9647-8502-0053

DESCRIPTION

9647-8502-0053

THIRD ANGLE PROJECTION

VIEW NO.

VIEW NO.

VIZIO SV472XVT_LCD (LC470WUL-SBM3)(LED)

47" CASE ASS'Y

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3

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